

# ABSTRACT

The invention relates to a meltdown device for the production of high-UV transmittive glass types, comprising

- a meltdown tank for a melt bath
- a feed opening for the supplying or laying-in of highly pure raw material for the melt bath
- a draw-off opening for the drawing-off of material melted in the melt tank
- a cover arranged above the melt tank, in which
- the infeed opening to the melt tank is arranged above the melt bath in the region of the cover
- the draw-off opening is arranged in the zone of the bottom of the melt tank
- a heating arrangement.

The invention is characterized in that the heating arrangement comprises heating elements, in particular electrodes that are arranged on the melt tank in the zone of the melt bath, as well as an agitating arrangement for the stirring of the melt bath and uniform intermixing and sub-mixing into the melt of material from the mixture lying on the melt surface.

(Fig. 3)

I, Peter Nelles, do hereby certify that I am an experienced translator, knowledgeable in both the English and German languages, that I have made the attached translation from German to English of the Patent Application titled "Meltdown device as well as as process for the production of high-UV-transmitting glass type", and that, to the best of my knowledge and belief, it is a true and complete rendering into English of the original document in German.

Peter Nelles

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